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EDUCATION

Chulalongkorn University | Bachelor of Computer Engineering | Second Class Honours Aug 2021 – July 2025
GPAX: 3.26

PROJECTS

Interview Simulation AI | [LINK](#) 15 August – 9 October 2024

- Developed the frontend using **TypeScript (React)** and the backend using **Go (Gin)**, providing REST APIs to manage user sessions, interview data, and communication with the AI agent server.
- Connected to a Python-based AI agent built with **FastAPI**, using **WebSocket** for real-time bidirectional communication during interview sessions. Leveraged **LangGraph** to manage multi-turn state and **LangChain** to orchestrate LLM logic, speech recognition, and text-to-speech via OpenAI APIs.
- Designed an **asynchronous** scoring system using **message queues**, allowing AI models to evaluate candidate answers efficiently.

Carbon Footprint Calculator | Final Project in University | [LINK](#) 24 September 2024 – 14 May 2025

- Built the frontend platform using **React (TypeScript)** and the **Saga pattern** to help SMEs analyze their carbon footprint. I also implemented backend APIs with **Python(FastAPI)** and set up **GitLab CI/CD** pipelines to automate build, testing, and deployment.
- Led a live **UAT demo** session for **~80 users** to showcase the platform, gather feedback, and validate usability and data accuracy.

Online Trading Platform | Group Project In University | [DEMO](#) 27 August – 12 November 2024

- Designed and implemented backend services for a **microservice architecture**, including a user service using **Go (Echo)** to manage secure authentication and authorization via **REST APIs**.
- Built a **Stripe-integrated transaction service** for secure payments and a **real-time chat system** using **WebSocket** and **gRPC**.

EXPERIENCE

Chulalongkorn University 1 September 2025 – Present

TA Assistant (Software Defined Systems, Support Role) Part-time

- Provided technical support for lab assignments in Software Defined Systems, helping students debug **AWS-based deployments** and understand concepts like **service orchestration**, **infrastructure-as-code**, and **edge computing**.

Codefin Company Limited

13 January - 30 April 2025

Software Engineer (Full-stack, React, Golang, Flutter) Part-time

- Implemented **eKYC verification features** for Profita using **Go** with the **Gin** framework, working within a **microservice architecture** that used **GraphQL** and **gRPC** protocols. Also contributed to the **React Native mobile** UI to support user registration and verification flows.
- Collaborated with the team and Product Owner to resolve **UAT issues** in LH Microapp's detection flow by identifying root causes and fixing detection logic and UI issues using **Dart (Flutter)**.

Codefin Company Limited

29 August – 26 December 2024

Software Engineer (Full-stack, React, Golang, Flutter) Internship

- Worked on a new project 2–3 days per week while managing university studies, using **Go (Echo)** in **Hexagonal Architecture** for backend APIs and **Typescript (React)** on the frontend.
- Built **Krungsri-LineOA** webpages for users to view transaction history and survey results. Handled multi-step user interactions on the frontend using the **Saga pattern** for workflow orchestration.
- Developed a secure user registration flow with **OTP-based phone number verification** and **Google reCAPTCHA** integration on both backend and frontend to prevent automated signups and bot abuse.
- Developed the **LH-microapp** for online trading stocks using **Dart (Flutter)**, enabling users to buy and sell investment portfolios through a smooth and responsive mobile interface.

SKILLS

Programming Languages: Python, C++, Java, Golang, JavaScript, Typescript, Dart

Frameworks and Libraries: React, NextJS, Gin, Echo, gRPC, FastAPI, React Native, Flutter, LangChain/Langgraph

Database and Tools: PostgreSQL, MongoDB, Redis, Docker, Kubernetes, AWS, Terraform, Git